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PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

13376.0001

First Inventor

L. Kusumoto

Title

System and Method for consumer-selected...

Express Mail Label No.

EK 839367781 US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☒ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification [Total Pages ☐]
(preferred arrangement set forth below)
- Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets ☐ 9]
5. Oath or Declaration [Total Pages ☐]
- a. ☐ Newly executed (original or copy)
- b. ☐ Copy from a prior application (37 CFR 1.63 (d))
(for continuation/divisional with Box 17 completed)
- i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s)
named in the prior application, see 37 CFR
1.63(d)(2) and 1.33(b)
6. ☐ Application Data Sheet. See 37 CFR 1.76

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7. ☐ CD-ROM or CD-R in duplicate, large table or
Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
- a. ☐ Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
- ii. ☐ paper
- c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement ☐ Power of
(when there is an assignee) Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure ☐ Copies of IDS
Statement (IDS)/PTO-1449 Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)
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16. ☐ Other:

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment,
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of prior application No. _____ / _____

Prior application information:

Examiner _____

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For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under
Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference.
The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.**18. CORRESPONDENCE ADDRESS**☐ Customer Number or Bar Code Label

(Insert Customer No. or Attach bar code label here)

or ☒ Correspondence address below

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	One Battery Park Plaza				
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Signature

Date Sept. 28, 2000

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U.S. Patent Application:

**SYSTEM AND METHOD FOR CONSUMER-
SELECTED ADVERTISING AND BRANDING IN
INTERACTIVE MEDIA**

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SYSTEM AND METHOD FOR CONSUMER- SELECTED ADVERTISING AND BRANDING IN INTERACTIVE MEDIA

BACKGROUND OF THE INVENTION

Field of the Invention

5 The present invention relates to the field of interactive, online media, and more particularly to systems and methods enabling users to select or create advertising and branding to be applied to their avatars, virtual spaces and virtual objects within such media, and providing a reward structure to incentivize such users to adopt such advertising and display it to other users.

Description of the Related Art

10 The most engaging forms of online interactive entertainment immerse participants in a virtual world, which closely reflects the real world in some respects, but which in other respects dramatically and selectively amplifies real-world experience. To personalize the user's experience, the concept of "self" must be carried into the virtual environment as well. It is common in such forms of entertainment for each participant to be provided with an "avatar" that represents how the participant's "self" is
15 manifested in the virtual world.

The concept of an "avatar" is used extensively in this application. To better understand how the term "avatar" is used herein, it is helpful to consider how the term has been used various contexts known in the art. For example:

- 20 • From the definition of "AVATAR" in the Webopedia (<http://webopedia.internet.com/TERM/a/avatar.html>):

A graphical icon [link to definition of "icon"] that represents a real person in a cyberspace [link to definition of "cyberspace"]. When you enter the system, you can choose from a number of fanciful avatars. Sophisticated 3D avatars even change shape depending on what they are doing (e.g., walking, sitting, etc.).

- 25 • From a discussion of the Palace: (<http://www.rider.edu/users/suler/psyber/psyav.html#Introduction>):

Head? Body? This is the second visual feature of Palace: "avatars" or "props." Although these words often are used interchangeably, there is a slight distinction in the minds' of some users. Avatars refer to pictures, drawings, or icons that users

choose to represent themselves. Props are objects that users may add to their avatars (say, a hat or cigar) or place into the Palace room or give to another person (say, a glass of beer or a bouquet of flowers). In this article, I will use the terms interchangeably.

- From a discussion of Habitat:

In situations where there aren't existing working definitions of the user, - a scenario familiar to networked electronic environments, the users' identity has to be literally constructed prior to their presence. 'Habitat', an early MUD [Multi User Dungeons and Dragons game], developed an Avatar, a composite character constructed by its users, choosing body parts, sex, name, age etc. Users proceeded to interact with each other and the virtual environment via their Avatar. The avatar is an example of an electronic identity, and as such displays many of its common characteristics. A representation of an identity made up like a photofit, a combination of checked boxes, words or phrases, some kind of graphic, names, ages etc.

Once this identity has been formed, it then allows you to enter the realm of your choice and to act as this identity. This 'infofit' may be self-constructed, or thrust upon you, and already exists to varying degrees. From credit ratings and electronic tagging to e-mail and IRC nicknames - a collection of digital or electronic identities/representations of self which define limits of behaviour within certain (real or virtual) zones. The current slippery nature of the term 'user' (or identity) coincides with its increasing importance. As shifting or multiple and conflicting definitions pervade, and as electronic zones exert a greater presence in physical space, the architectural conception of 'user' will be forced to accommodate, negotiating real and virtual identities.

- From a discussion of Habitat (<http://www.digitalspace.com/avatars/>):

What is an Avatar? It is your body double in Cyberspace, your presence in the virtual communities growing inside two and three dimensional virtual worlds online. With the book Avatars and this companion website, you can now leave simple chat rooms behind and venture forth into the true frontiers of virtual world Cyberspace.

- The AVVY awards show that avatars can be flowers and stars:
<http://millenium.simplenet.com/av99/avvys/av99.htm>
- From UNC's Virtual University: <http://horizon.unc.edu/TS/vu/1999-11.asp> (Avatar Pedagogy, by Joel Foreman):

When the Internet was known only to an information technology elite, science fiction writer William Gibson (Neuromancer, 1984) depicted a computer network whose users projected their digital representatives (avatars) into a simulated world so lifelike that it was indistinguishable from the real thing. Although fully realizing this technovision may take 25 years (the guesstimate of networking savant James Crowe), developers have made enough progress to warrant a status report on the technology's emergence and its implications for the virtual university. In what follows I represent the current state of online avatar worlds, describe how I have used them to support instruction, and speculate about their potential for education.

- From Neal Stephenson, *Snow Crash*, page 35:

As Hiro approaches the Street, he sees two young couples, probably using their parents' computers for a double date in the Metaverse, climbing down out of Port Zero, which is the local port of entry and monorail stop.

5 He is not seeing real people, of course. This is all a part of the moving illustration drawn by his computer according to the specifications coming down the fiber-optic cable. The people are pieces of software called avatars.

As used herein, an "avatar" is best understood as a graphical object in 2D or 3D, representing a persona of a consumer, appearing within a virtual environment. As the term is used in connection with our preferred embodiment (discussed in detail below), an avatar acts under the direct control of the consumer. However, it could be pre-programmed by the consumer to perform certain behaviors, or it could simply perform behaviors that are hardwired by the system. An avatar can take on the visual appearance of any living creature in humanoid, animal, plant, mythical, or other form, or it can be an animated depiction of a non-living thing such as a robot, vehicle, weapon, computer, constellation of stars, etc.

A virtual environment can be implemented using computer networks (known as "networked virtual environment") and other interactive media such as "interactive television." A "networked virtual environment" implements a virtual world, a 2D or 3D representation or simulation of a physical space. The networked virtual environment is accessible over a computer network or digital media network by multiple participants simultaneously, who may interact with the virtual world and with one another in near-real time. Similarly, an "interactive television" is conventional television content augmented with interactive facilities, usually delivered over a digital channel augmented by a back channel to the content broadcaster and by a terminal. Users and viewers can interact with the content via the terminal.

In the prior art, consumers participate in interactive online entertainment media through their avatars. This can take the form, for example, of "first-person" games, where the view of the virtual world is through the eyes of the avatar, as the central acting figure, or a third-person perspective (from the point of view of a third-party avatar or camera watching them). The networked virtual environment can be

viewed by active participants whose avatars are within the environment, or alternatively, it may be viewed by non-participants who are not represented by an avatar in the environment.

The concept of "advertising" is also used throughout this application. For purposes hereof, the term "advertising" is used in a broad sense, and is intended to cover traditional advertisements, as well as the use of "brand marks," which can take the form of a corporate symbol or logo, a trademark, advertising text or copy, a graphical picture, or any multimedia element employed for the purposes either of advertising per se, or simply promoting or exposing a brand, trademark or service mark. Even when used alone without specific reference to branding and brand marks, the term "advertising" should be understood to refer to the use of such indicia as well as to traditional advertising.

It is well known in the prior art to finance the creation of interactive online entertainment media by various forms of paid advertising sponsorship. An online game may be sponsored ("brought to you by") a named sponsor, which will pay for the opportunity to be so identified. Alternately, advertisements may be embedded in the virtual world, much as billboards and the like are deployed in the real world. The use of such virtual billboard advertising is well established, for example in interactive sports gaming, such as simulated basketball, hockey, etc., wherein advertisements become part of the texture mapping for background panels such as walls and railing panels.

Moreover, there has been some deployment of advertising indicia on avatars themselves in a number of prior art online gaming formats. For example, as in real life, the cars in auto racing games often come emblazoned with advertising logos on their outer panels and surfaces, if for no other reason than realism.

In all of these prior art formats, however, despite the intended interactive format of the game, the participant is a relatively passive participant vis-à-vis the advertising. The advertising is in effect pushed or thrust upon a non-voluntary and often indifferent participant, who may become jaded to the experience and make an effort to ignore the advertising, or consider it part of the background. Even when the advertising is applied to the participant's own avatar (a race car, for example), the participant has no say in what advertising is applied, and no real interest in the issue.

BRIEF SUMMARY OF THE INVENTION

The present invention provides a way for sponsors to promote their brands or otherwise advertise products and services in virtual environments such as computer networks and other interactive media such as interactive television. The invention provides a way in which consumers choose sponsors' logos, names, commercial symbols or advertisements to appear on the avatars, virtual spaces and virtual objects that represent them within the virtual environments. The invention provides a mechanism for audience members (consumers) to choose the logo, names, commercial symbols or advertisements that appear on their avatars, it provides methods for deriving revenue from those choices, and provides mechanisms for tracking the usage of those logos, names, commercial symbols, or advertisements according to those methods.

The invention seeks to involve participants more directly in the matter of advertising, to incentivize them to adopt and deploy advertising, and to provide a source of revenues based thereon. It proposes to resolve or mitigate the conflict between the goals of user and the advertiser by providing a method of advertising that makes participants in the virtual world willing agents of the advertiser and advertising part of their activities in the virtual world.

Accordingly, objects of the present invention include:

- Encouraging positive rather than negative consumer attitudes about advertising in the interactive online gaming environment by giving the consumers a positive role in the selection of advertising
- Further encouraging consumer adoption and deployment of advertising within the interactive online entertainment environment by providing financial and other incentives for users to adopt and deploy advertising indicia
- Developing advertising pricing models based on such methods of ad deployment
- Developing server pricing models for the consumer based on application of offsetting ad revenues
- Providing a mechanism for the consumer to display advertising for his/her own products and services
- Developing on-line events based on common chosen sponsorship

- Providing a means for consumers to become creative contributors to commercial advertising media
- Providing a means for user-selected advertising to become integrated with real world clothing, dress, stickers, billboards and posters.

5 It is a further object of the invention to provide means to collect data on consumer preferences without encountering the resistance to disclosing product and brand preferences commonly expressed by consumers in surveys and the like. Advertisers may be billed on a number of bases, including ad exposure.

10 These and other objects are accomplished in one embodiment of the invention by recruiting participants in particular virtual worlds to advertise a product or brand to the other participants and viewers in that virtual world. Each user entering a virtual world may select from a set of available advertisements, which can be displayed in association with the user's avatar in the virtual world. Users are incentivized to do this by the availability of rewards, such as coupons or real or virtual money or other resources, which are provided by the advertising sponsors, based on adoption of the advertising by the user, as well as on factors such as exposure of the selected advertisements to other users in the virtual world. By allowing the consumer to exercise advertising choice, this embodiment also facilitates collection of data regarding consumer preferences.

Other objects of the invention and the methods by which they are achieved will become evident from the drawings and detailed descriptions that follow.

20

BRIEF DESCRIPTION OF THE DRAWINGS

The following briefly describes the accompanying drawings:

Fig. 1 shows a diagram of the network components, data repositories and their respective interconnections used in one embodiment of the invention.

25 Figs. 2A and 2B show a flowchart, for an embodiment of the invention, of a consumer's experience in using an embodiment of the invention.

Fig. 3 shows a sample branding selection screen as used in one embodiment of the invention.

Figs. 4A, 4B and 4C show the database fields for users, advertisers and transactions, respectively, as used in an embodiment of the invention.

Fig. 5 shows a scene from a game in accordance with one embodiment of the invention, in which a player's avatar is wearing an item of clothing with a player-selected designer logo.

Fig. 6 shows a scene from a virtual activity in accordance with one embodiment of the invention, in which a player has selected to put a logo on the player's avatar and an Addidas sign on a box in a virtual space.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT

The preferred embodiment of the consumer-choice-avatar advertising-method is illustrated in Figs. 1 - 5, and described in the text that follows. Although the following focuses on a particular embodiment of the invention, the claims appended to this application should not be interpreted as limited by the particular details disclosed in connection with that embodiment.

Referring to Fig. 1, the networked virtual environment of one embodiment of the invention is generated on one or more servers 102, 104, etc. distributed over a computer network 110; received by participating consumers' computers 112, 114, 116, etc. by client computer programs 122, 124, 126, etc. (which are of an animated graphical nature); and displayed on consumers' computer displays 132, 134, 136, etc. by those programs. The networked virtual environment is accessible over the computer network by multiple participants simultaneously.

The environment projected can be the setting for a networked (online) game or other online entertainment activity such as a virtual dance, virtual sporting event, life or fantasy simulation, networked gambling, etc. It can also be an online commerce setting such as a virtual store, virtual shopping mall, virtual town square, virtual trade show; or it can be an online communications setting such as chat, instant messaging, virtual meetings, virtual rallies, virtual conferences, etc. The host may also allow consumers to merely watch the virtual world go by on their client computers.

The networked virtual environment is typically supported by an ancillary support environment that uses the same network connectivity but is "outside" the virtual world, for example, menus, dialog

boxes and control panels provided by client programs such as client program 122. While the Figure 1 describes components of the networked virtual environment to project a setting for a networked game or other online entertainment activity, a virtual world can be implemented in other interactive media such as interactive television.

When participating in the virtual world, consumers are exposed to the images and sounds of their own and other consumers' avatars interacting with one another in the virtual environment. A flow chart depicting a simple course of interaction between a user and this embodiment of the invention is shown in Figs. 2A and 2B. The user selects a presentation location (206) on an avatar on which an advertisement or advertisements will appear. This may be permitted within the ancillary support environment, within the virtual environment, or both. When creating or modifying their avatars, users are presented with multiple choices for the advertisements that will be displayed on the avatars. The user selects (208) one or more advertisements to appear in pre-designated parts of the avatars, or they place the advertisements on the avatars. For example, as shown in Fig. 3, the user is provided an ancillary dialog box 301 with "Designer Logo" selections 303, 305, 307 (read from advertisement database 152 in Fig. 2A) that may be selected with a mouse and dragged onto an appropriate location (309) on the clothing of avatar 310. Alternately, the user could find appropriate branded materials in the virtual world, and apply them by taking actions solely in that world. Preferably, the advertisement will be associated with a display mode constraint to require it to be displayed in the specified manner and orientation, and preferably further in a manner that makes its association with the avatar of the consumer who selected the advertisement obvious to most participants

The advertising selection ancillary control (such as dialog box 301) may also specify how the advertisement will be displayed if selected, the amount of control the consumer may exercise over the time and manner of the display, what rewards will be given to the consumer for displaying each advertisement, and the variables upon which the nature and size of the reward depend.

The user performs the selection and placement process by using the client computer programs (122, etc. in Fig. 1). When the user indicates s/he is satisfied with the selection (210 in Fig. 2A), the

relevant information is transmitted to the server(s) 102, 104 and stored in consumer database 150 and presentation tracking database 154. Then, whenever the servers cause the avatar representing that user to appear in the networked virtual environment (221), the relevant advertisements are dynamically included (223) in the presentation of the avatar within the networked virtual environment. Other users whose avatars are nearby in the virtual world thus “see” this advertisement. The user also sees (225) ads placed by other users on or in connection with their avatars. Server(s) 102, 104 cause the exposure of advertisements in this manner to be logged in databases 150, 154.

If the advertisement(s) are purely graphical in nature, they are texture-mapped onto the 2D avatar image or 3D avatar form. If they contain audio or animation or other multimedia elements, these elements are played as part of the avatars’ behavior at times designated by the user or determined by the system. Fig. 5 shows a screen from an embodiment of the invention in which branding 501 is displayed on avatar 510, which is engaged in animated activity within the virtual world (dressing for a party).

The time and manner of the display of the selected advertisement can be determined entirely by the consumer, or be at least partially controlled by server(s) 102, 104. For example, a corporate logo could be available for display on a cap worn by an avatar, an audio sequence could be available to play each time an avatar performs a specified action, such as waving, and a musical routine could be available for an avatar to perform whenever the consumer controlling the avatar chooses. The advertisement may be created by any party commissioned to do so by the advertiser, including the consumers themselves. Consumers might be encouraged to submit ideas to the host or the advertiser regarding advertisements that could be made available for display in the virtual world. Consumers might also themselves be advertisers, and submit and place their own advertising.

In addition, placement of advertising is not limited to placement by users on their avatars. For example, a poster advertising a product could be available for display in a virtual space controlled or shared by an avatar, such as the avatar’s room or studio. For example, Fig. 6 shows a screen from an embodiment of the invention in which an avatar 630 is engaged in animated activity within the virtual world. The consumer has named the avatar 630 as Angel, and s/he has selected to place a logo on her

body 640. The consumer has also selected to place an Addidas sign on a box 620 in a virtual space. If the advertisement(s) are purely graphical in nature, they are texture-mapped onto the 2D image or 3D form in virtual spaces. If they contain audio or animation or other multimedia elements, these elements are played at times designated by the user or determined by the system.

5 Another aspect of the invention is that users may be given incentives for choosing to include advertisements on their avatars. In exchange for choosing a particular advertisement, the consumer may be awarded units of money, credits or coupons that can be applied towards buying whole or fractional goods and services (in the real or virtual world), clues for winning games and contests, or other information or opportunities with perceived value. In one embodiment, the invention provides a
10 mechanism for money or credits to be deducted directly from the sponsor's account, though this is optional.

Rewards may accrue to a user simply for the act of choosing an advertisement. At a minimum, the user him/herself is exposed to the ad as a result, and the potential created for later exposure to other avatars. The size of the reward may depend on criteria such as exposure (measured or anticipated) of the
15 advertisement to the audience, as measured in number of consumers in the environment, the number of non-participants viewing the environment, the number of minutes the avatar displays the advertisement in the environment, or some combination of these. Rewards might also take into account the avatar's status in the virtual world, such as the amount of land or other relevant resources accumulated in a multi-player game of conquest, or elements in the consumer's profile in the consumer database 150. An
20 advertiser may also reward consumers for submitting for the advertiser's consideration designs for inclusion in the list of advertisements available for selection and display by other consumers in the virtual world. Further, user rewards could be based in whole or in part on a proportion of the compensation paid to the host by the advertiser whose advertisement has been selected, or on any other criterion deemed suitable by the advertiser or the host proprietor.

25 Moreover, host and advertiser could structure the rewards with a view toward increasing traffic to and average time spent in the particular virtual world. For example, the size of the reward could

increase with the amount of time spent displaying the advertisement, and thus with the amount of time spent in the virtual world. The consumer presumably will take into account the reward structure in making decisions regarding his/her participation in the virtual world. The decisions of interest to the host are recorded in the presentation tracking database 154.

5 Depending on the nature of the reward, distribution of the rewards to users will be handled in the virtual or in the real world. Increasing the credit an avatar may draw on in a virtual casino would likely be done entirely in the virtual world, while awarding product samples would require mailing those samples in the real world, just as awarding frequent flier miles would require updating the consumer's account stored in a computer that is not necessarily part of the virtual world. The host may establish
10 appropriate ancillary systems of well-known types to handle such tasks.

Server(s) 102, 104 maintain several databases, including customer database 150 and presentation tracking database 154 mentioned above, as well as advertising database 152. Figs. 4A, 4B and 4C show the database fields for users, advertisers and transactions, respectively, as used in an embodiment of the invention.

15 The server(s) 102, 104 will track and record in the appropriate database, 152, information relevant to billing an advertiser, such as the total time 433 that the avatar (438) displays an advertisement 431 in the environment 432, the number of other avatars that are visually exposed to the advertisement 434, the number of non-participant viewers who are visually exposed to the advertisement 436, or the total times of these exposures 438. This information will be stored in presentation tracking database 154 by the
20 server. Off line programs (shown in Fig. 1 as billing system 170) will use this information to generate information for billing the advertisers. (Alternatively, the client software can track this information, and transmit it periodically to the server. This approach is not preferred, however, as it is rather readily subject to hacking.)

25 Consumer database 150 includes profiles of consumers (401) who have participated or have expressed an intention to participate in the particular virtual world. It includes user registration information (402-405). The consumer database may include information (406) necessary to allow a

consumer to pick up where s/he previously left the virtual world by storing information about her/his avatar and its recent activities. The database may also be used to assemble information about the consumer from any kind of virtual or real world source to allow the advertisers to better target their advertisements and reward offers 407. Consistent with privacy obligations and commitments, the host
 5 may want to keep track of various data relating to a consumer's participation in the virtual world, such as the actions of the user's avatar, the user's purchases, the amount of time the consumer spends in the virtual world, the scores or other quantification of accomplishment achieved by the avatar in a game, as well as the consumer's choices with respect to the advertisements offered to him/her for display in the virtual world 408. The host may also want to use aggregates of these data to update the consumer's
 10 profile in the consumer database 150.

The advertisement database 152 includes an ID (421) for each advertisement available for selection by the consumer. The advertisement may include text, symbols such as corporate logos, graphic elements such as pictures of a product, video or animation sequences, audio elements, or any other multimedia elements designed to enhance a particular brand, to create consumer awareness of a
 15 particular product or the consumer's need for it, to promote sales of a particular product, or to promote awareness of a particular source of consumer goods. If the advertisement is being served externally, an appropriate address or pointer is placed in the database. The advertisement may be as simple as branding or as complex as a video/audio sequence in the style of a television commercial. The advertisement database also includes information on how the advertisement will be displayed once it is
 20 selected by a consumer.

To derive revenue from the advertisements, the host of the networked virtual environment can do one or more of the following:

- Charge the advertiser based upon exposure (measured or anticipated) of the advertisement to the audience, as measured in number of consumers in the environment, the number of non-participants viewing the environment, the number of minutes the avatar displays the advertisement in the environment, or some combination of these.
- Charge the advertiser a fixed or time-variable fee for its advertisements to be included in the set of advertisements that the consumer can choose from.

- Charge the consumer a fee which is passed in part onto the sponsor as a licensing fee or royalty

Factors determining the fee to the advertiser may also include the make-up of the pool of participants in the virtual world, the hours of the day during which avatars display the advertisement, the complexity of the advertisement, the number of times a particular advertisement was selected in a given period of time, the total time that avatars display the advertisement, and the actual or anticipated number of participant and/or observer consumers exposed to the advertisement.

The actual billing of the advertiser may be handled using a billing support system 170 that uses information obtained from databases 150, 152 and 154 to calculate the fee owed by the various advertisers in accordance with the applicable factors as discussed above.

There are a number of other benefits that may result from consumer-chosen avatar advertising in accordance with the present invention. When selecting a particular advertisement, the consumer not only confirms his/her own interest in a particular product or his/her allegiance to a particular brand, but also (i) becomes an advertising subject, and (ii) becomes an vehicle for delivering advertising to the other consumers participating in the world. For these other consumers, the advertisement displayed by this avatar contains information about the interests and beliefs of the consumer who is represented by this avatar, or the role this consumer wants his/her avatar to play. Thus, noticing the advertisements displayed by the various avatars could further the consumers' intentions in participating in the virtual world in the first place. For example, the particular advertisement displayed by an avatar could become a conversation opener in a chatroom, or a basis for choosing allies in a multi-player game.

Other applications of the present invention could include the following:

- "Advertisements" promoting anything at all can be constructed by user-participants for other user-participants to use. All the compensation schemes discussed above can be applied, with virtual-world money or possibly real-world money.
- User-participants can organize sponsored events (perhaps only open to avatars sporting the appropriate advertisement) in the virtual world and receive compensation for this.

User-participants can construct novel advertisements (on behalf of real-world advertisers) that are appropriate to the networked virtual world. These can be submitted electronically to the advertiser for approval. If approved, they would become available for consumers to

place on their avatars. Optionally, the constructor of the approved advertisement could receive compensation from the advertiser based on any of the above compensation schemes.

- The display may be wearable and connected via wireless connection to the client computer, and the wearer of the display may select an advertisement to be displayed for other real-world people to see, with compensation determined as above.
- The display and computer may both be wearable, with the computer connected via wireless connection to the network, and the wearer of the display may select an advertisement to be displayed for other real-world people to see, with compensation determined as above.

It is evident that an advertising method has been developed that accomplishes the stated objects of the invention. It will be apparent to those skilled in the art that the method of the present invention is readily adaptable to systems other than those herein described. Such adaptations and variations do not depart from the scope and spirit of the invention, as defined in the following claims.

I claim:

1. A method of advertising to participants and viewers in a virtual world comprising the steps of enabling at least one participant in said virtual world to select an advertisement; and displaying said advertisement to other participants and viewers in said virtual world.
2. The method of claim 1, wherein said advertisement is associated with said participant by displaying said advertisement on an avatar of said participant within said virtual world.
3. The method of claim 1, wherein said advertisement is associated with said participant by displaying said advertisement on a virtual space of said participant within said virtual world.
4. The method of claim 1, wherein said advertisement is associated with said participant by displaying said advertisement on a virtual object of said participant within said virtual world.
5. The method of claim 1, wherein said virtual world is implemented by interactive media.
6. The method of claim 5, wherein said interactive media is provided by at least one server on a computer network.
7. The method of claim 5, wherein said interactive media is provided by interactive television.
8. The method of claim 1, wherein said advertisement comprises text.
9. The method of claim 1, wherein said advertisement comprises symbols.
10. The method of claim 1, wherein said advertisement comprises graphics.
11. The method of claim 10, wherein said advertisement is texture-mapped in said virtual world.
12. The method of claim 1, wherein said advertisement comprises multimedia elements taken from the group of audio, video and animation.
13. The method of claim 12, wherein said multimedia elements are played at times designated by said participant.
14. The method of claim 12, wherein said multimedia elements are played at predetermined times.

15. A method of tracking activities of at least one participant in a virtual world to reward said participant in connection with displaying advertisement to other participants and viewers in said virtual world, which comprises:
 - collecting information on said participant;
 - collecting information on one or more advertisements that said participant has selected; and
 - collecting display information on how said advertisement was displayed to other participants and viewers in said virtual world.
16. The method of claim 15, wherein said display information comprises:
 - measured display time of said advertisement to other participants and viewers; and
 - a number of participants and viewers that viewed said advertisement.
17. The method of claim 16, wherein said display information further comprises:
 - anticipated display time of said advertisement to other participants and viewers;
 - a size of said advertisement; and
 - a location of said advertisement for display.
18. The method of claim 16, further comprising the step of recording said activities of said participant in connection with said advertisement in appropriate databases.
19. The method of claim 16, further comprising the step of rewarding said participant in connection with activities identified in said tracking step.
20. The method of claim 16, further comprising the step of billing advertisers in connection with activities identified in said tracking step.
21. The method of claim 15, wherein said virtual world is implemented by interactive media.
22. The method of claim 21, wherein said interactive media is provided by one or more servers on a computer network.
23. The method of claim 21, wherein said interactive media is provided by interactive television.
24. The method of claim 15, wherein said advertisement comprises text.
25. The method of claim 15, wherein said advertisement comprises symbols.
26. The method of claim 15, wherein said advertisement comprises graphics.
27. The method of claim 26, wherein said advertisement is texture-mapped in said virtual world.

28. The method of claim 15, wherein said advertisement comprises multimedia elements taken from the group of audio, video and animation.
29. The method of claim 28, wherein said multimedia elements are played at times designated by said participant.
30. The method of claim 28, wherein said multimedia elements are played at predetermined times. A method, carried out by at least one participant in a virtual world, for displaying advertisement within said virtual world, comprising:
 - selecting an advertisement made available within said virtual world; and
 - displaying said advertisement to other participants and viewers in said virtual world.
31. The method of claim 30, wherein said advertisement is associated with said participant by displaying said advertisement on an avatar of said participant within said virtual world.
32. The method of claim 30, wherein said advertisement is associated with said participant by displaying said advertisement on a virtual space of said participant within said virtual world.
33. The method of claim 30, wherein said advertisement is associated with said participant by displaying said advertisement on a virtual object of said participant within said virtual world.
34. The method of claim 30, wherein said virtual world is implemented by interactive media.
35. The method of claim 34, wherein said interactive media is provided by one or more servers on a computer network.
36. The method of claim 34, wherein said interactive media is provided by interactive television.
37. The method of claim 30, wherein said advertisement comprises text.
38. The method of claim 30, wherein said advertisement comprises symbols.
39. The method of claim 30, wherein said advertisement comprises graphics.
40. The method of claim 30, wherein said advertisement is texture-mapped in said virtual world.
41. The method of claim 30, wherein said advertisement comprises multimedia elements taken from the group of audio, video and animation.

42. The method of claim 41, wherein said multimedia elements are played at times designated by said participant.
43. The method of claim 41, wherein said multimedia elements are played at predetermined times.
44. A method, carried out by at least one participant in a virtual world, for displaying advertisement within said virtual world, comprising:
 - creating an advertisement to be made available within said virtual world; and
 - exposing said advertisement to other participants and viewers in said virtual world.
45. The method of claim 44, wherein said advertisement is associated with said participant by displaying said advertisement on an avatar of said participant within said virtual world.
46. The method of claim 44, wherein said advertisement is associated with said participant by displaying said advertisement in a virtual space of said participant within said virtual world.
47. The method of claim 44, wherein said advertisement is associated with said participant by displaying said advertisement on a virtual object of said participant within said virtual world.
48. The method of claim 44, wherein said virtual world is implemented by interactive media.
49. The method of claim 48, wherein said interactive media is provided by one or more servers on a computer network.
50. The method of claim 48, wherein said interactive media is provided by interactive television.
51. The method of claim 44, wherein said advertisement comprises text.
52. The method of claim 44, wherein said advertisement comprises symbols.
53. The method of claim 44, wherein said advertisement comprises graphics.
54. The method of claim 44, wherein said advertisement is texture-mapped in said virtual world.
55. The method of claim 44, wherein said advertisement comprises multimedia elements selected from the group of audio, video and animation.
56. The method of claim 55, wherein said multimedia elements are played at times designated by said participant.
57. The method of claim 55, wherein said multimedia elements are played at predetermined times.

58. A system for consumer-selected advertising and branding in a virtual world comprising:
- a computer network, wherein a networked virtual environment exists and is accessible by multiple participants simultaneously; and
 - at least one server on said computer network maintaining several databases comprising a consumer database, an advertising database, and a presentation tracking database wherein
 - said consumer database stores profiles of consumers who have participated or have expressed an intention to participate in said networked virtual environment;
 - said advertisement database contains identification for each advertisement available for selection by a participant; and
 - said presentation tracking database stores participant and viewer exposure information of said advertisement.
59. A system as described in claim 58, further comprising a billing system, wherein said exposure information stored in said presentation tracking database is used to generate information to bill advertisers.
60. A system as described in claim 58, wherein said consumer database comprises registration information, environment continuation information to allow said participants to continue where said participants previously left said networked virtual environment, and information on said participant's recent activities.
61. A system as described in claim 58, wherein information stored in said consumer database may also be used to allow said advertisers to modify said advertiser's advertisements and reward offers.
62. A system as described in claim 58, wherein said advertisement database comprises elements taken from the group of text, symbols, corporate logos, graphic elements, audio elements, video elements and multimedia elements.
63. A system as described in claim 58, wherein said presentation tracking database contains information on total exposure time of said advertisement and amount of exposure to other participants and viewers in said virtual environment.

**SYSTEM AND METHOD FOR CONSUMER-
SELECTED ADVERTISING AND BRANDING IN INTERACTIVE MEDIA**

ABSTRACT

Participants in a virtual world in an interactive, virtual environment implemented by computer networks and other interactive media such as interactive television are recruited to advertise products and brands to the other participants and viewers in the virtual world. Each user entering the virtual world may select from a set of available advertisements, which can be displayed in association with the user's avatar, virtual space and virtual objects in the virtual world. Users are incentivized to do this by the availability of rewards, such as coupons, real or virtual money or other resources, which are provided by the advertising sponsors, based on adoption of the advertising by the user, as well as on factors such as exposure of the selected advertisements to other users in the virtual world. Allowing the consumer to exercise advertising choice, this embodiment also facilitates collection of data regarding consumer preferences.

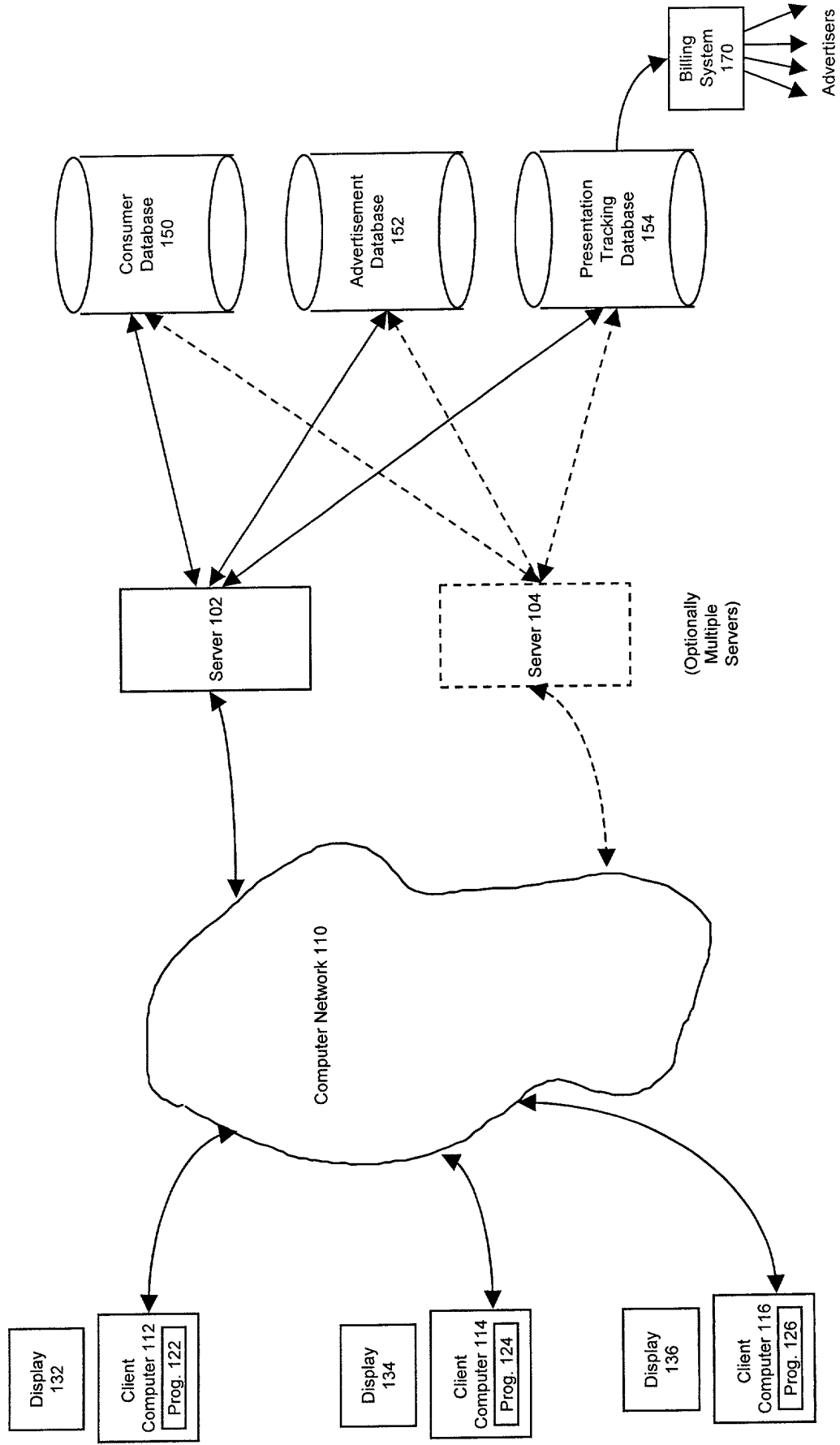


Fig. 1

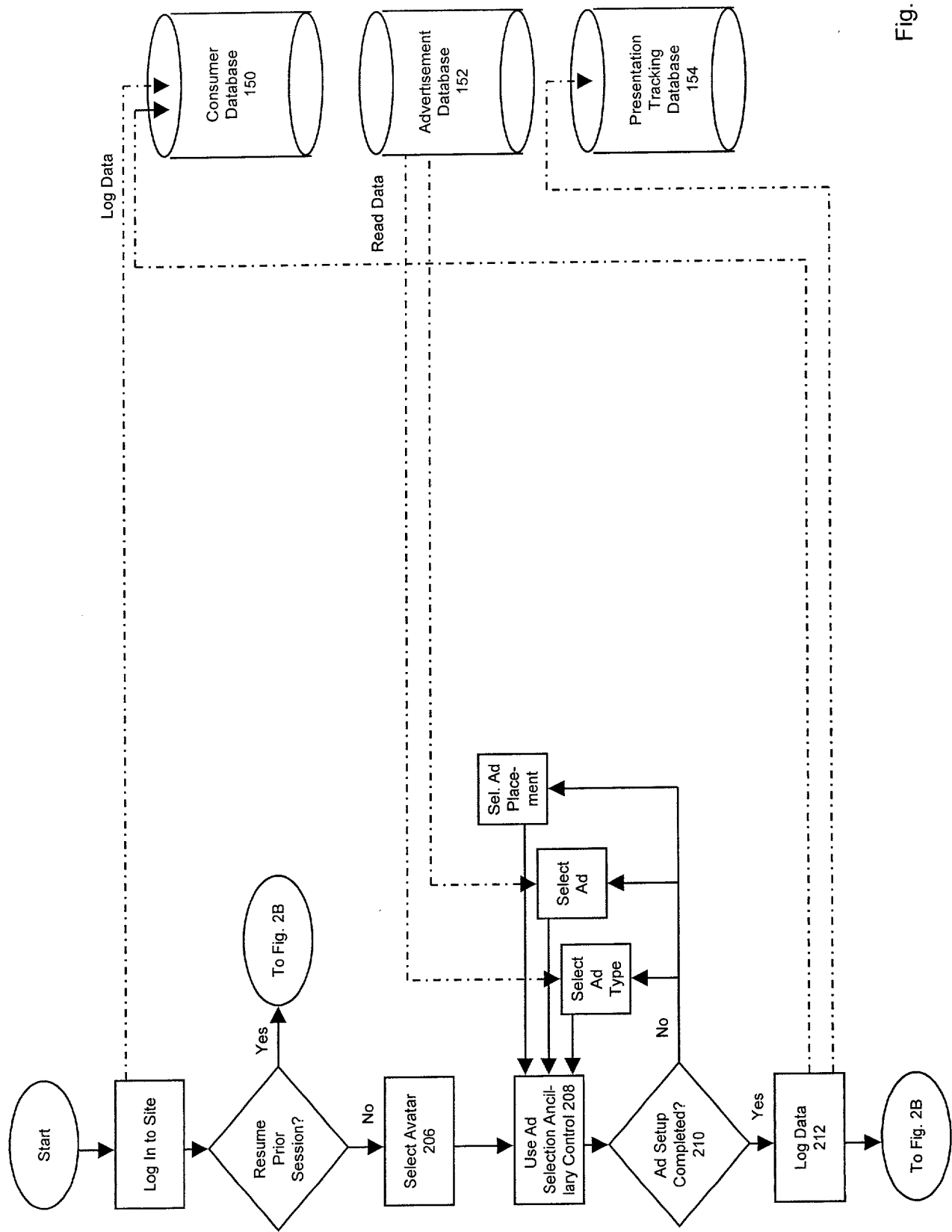


Fig. 2A

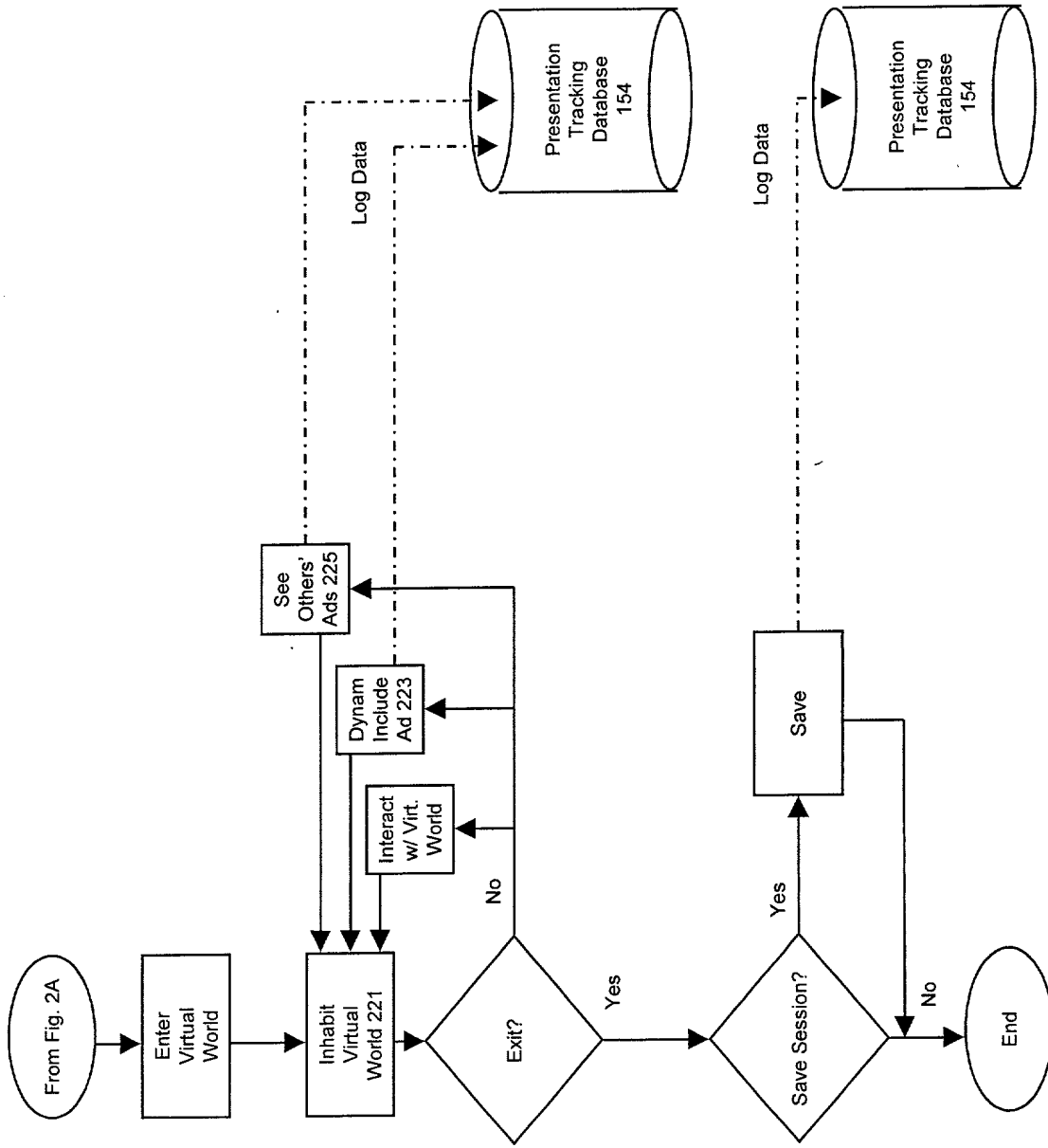


Fig. 2B

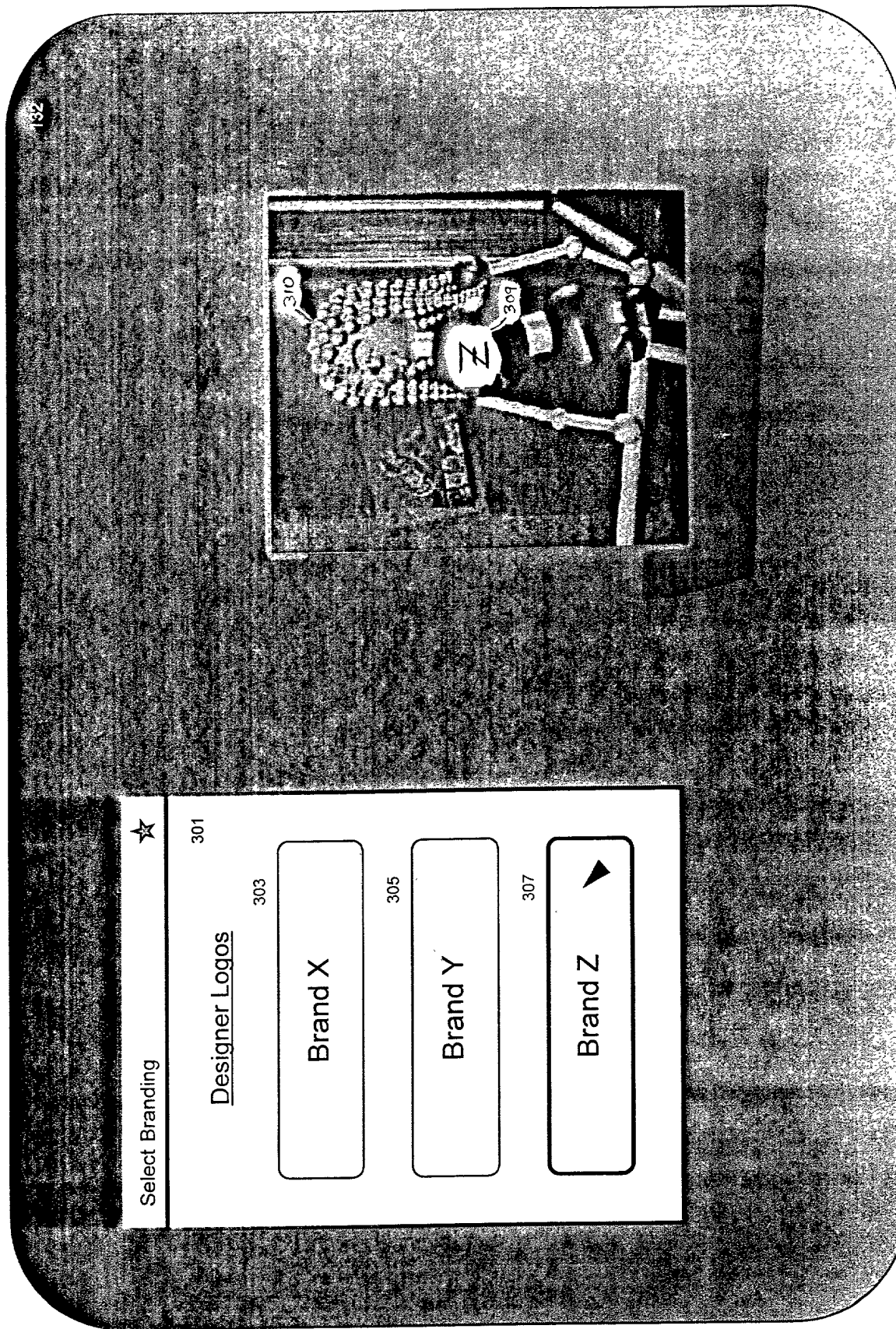


Fig. 3

Customer ID	Last Name	First Name	E-mail Address	Encrypted Password	List of Current Avatar IDs	Saved State	External Info.	Experience Data	Aggregate Data	
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Database Fields - Consumer Database

Fig. 4A

Advertisement ID	Advertiser ID	Pointer to Ad Content	Display Mode Type ID	Ad Rate Data	
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Database Layout - Advertisement Database

Fig. 4B

Advertisement ID	Location ID	Elapsed Aggregate Viewing Time This Avatar	Environ- ment	Total Exposure Time.	
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Database Fields - Presentation Tracking Database

Fig. 4C

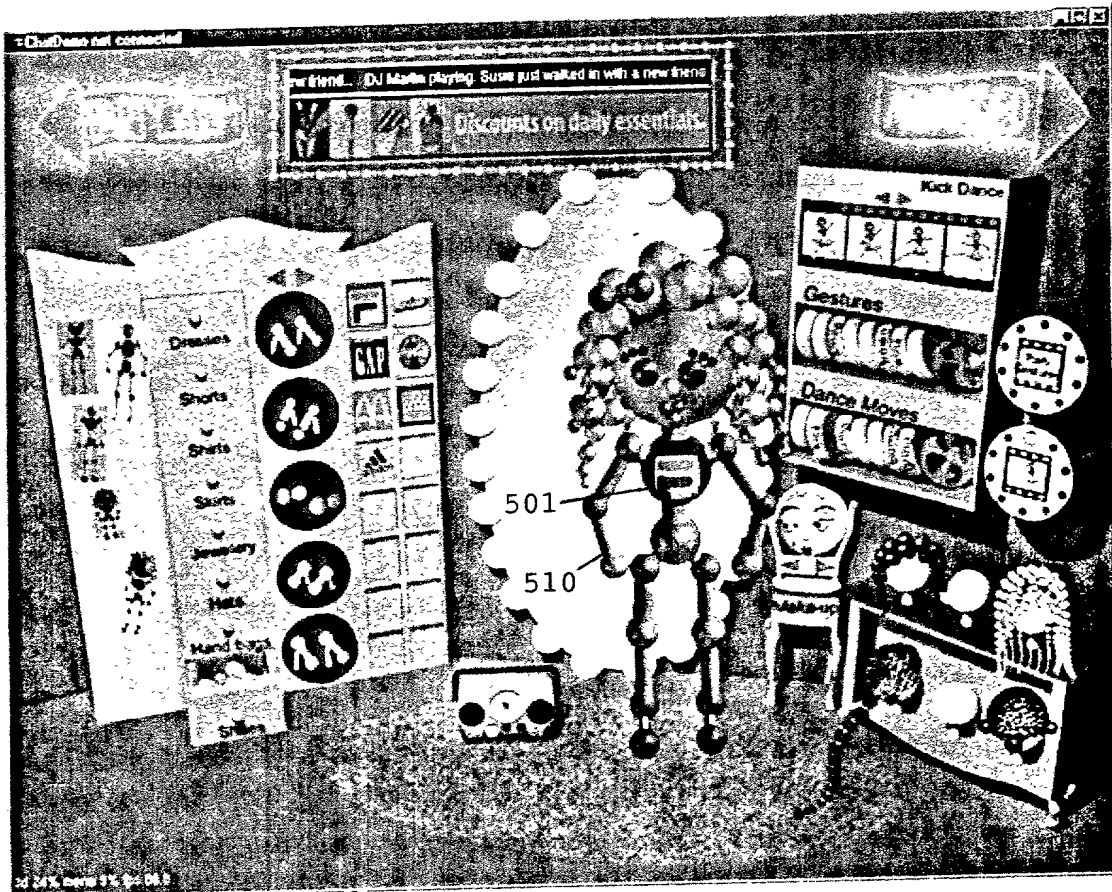


FIGURE 5

005260" 03557860

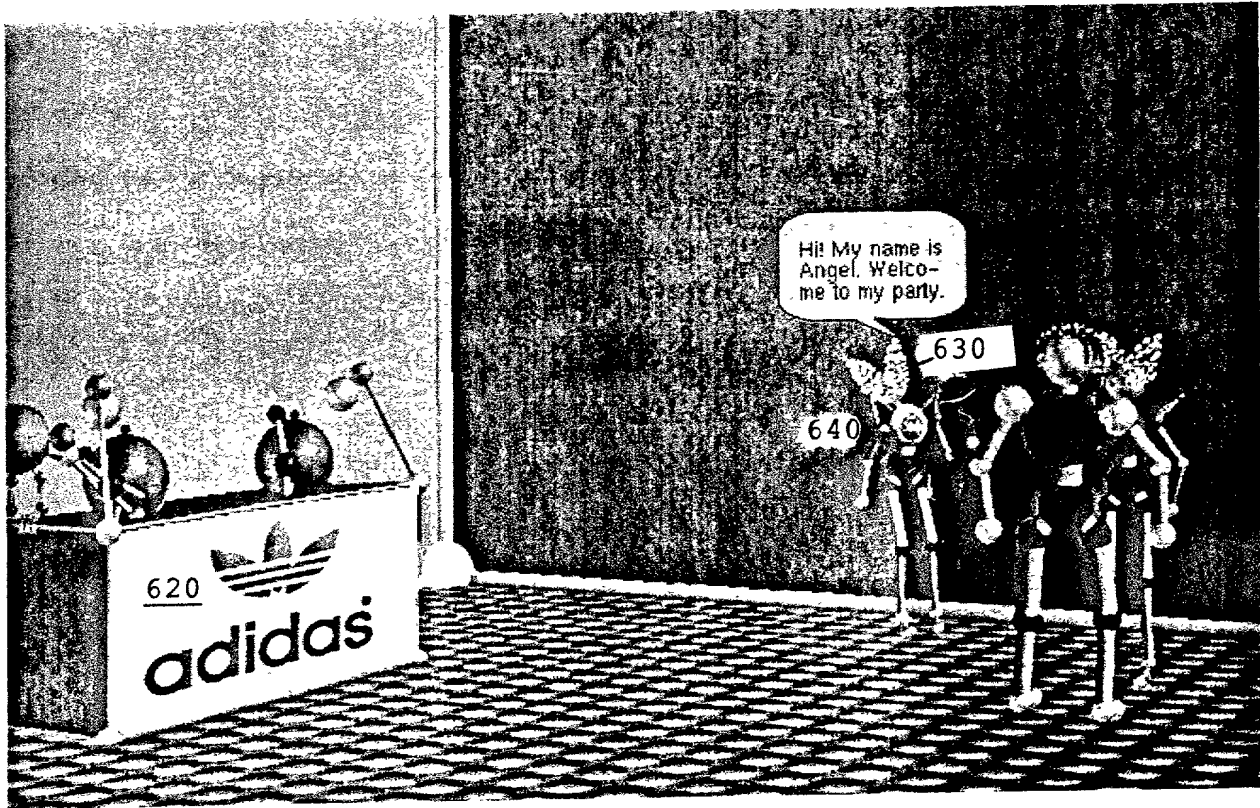


FIGURE 6